

Safety and Health Managers Meeting

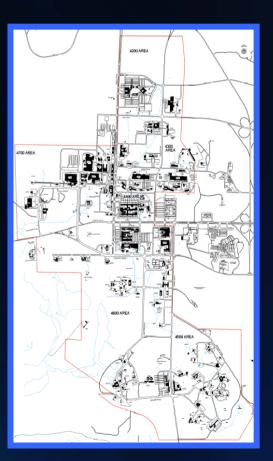
MSFC Safety



New Shipping & Receiving Building *



New Engineering Building



Kristie French George C. Marshall Space Flight Center February 2006

Site Map

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Shipping And Receiving Building





- Brighter
- More Convenient to Management
- Nearer to Model Shop



- Electric Ramps and Doors
- Locking Mechanism with Signal Light

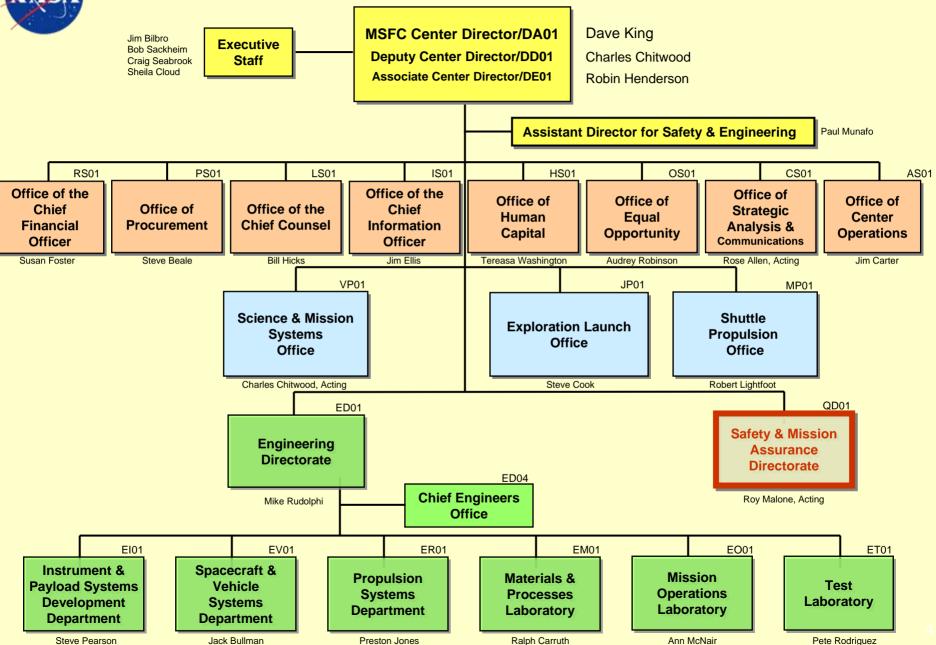
<u>BACK</u>



Agenda

- MSFC Reorganization
- S&MA Organization
- Things We are Doing in Industrial Safety
- The Stats







MSFC S&MA Organization Chart

QD01/Marshall Safety & Engineering Review Panel		QD01/SAFETY AND MISSION ASSURANCE DIRECTORATE			9	QD03/Business Management Office		Office	
Shery A. Jessings David W. Codwel Paul Crewford	4201028A 4-2250 4201416 4-1270 4202002 4-9153		Virtual, Director Classic A. Lowell, ESA (Term) Roy W. Maloria, Deputy Director Shary Son Clay Paint Heal Represent G. Clastor, Deputy for Prog. Assurance Bety G. Mallin, MSA (Term) Das J. Malline, C. Roy, For Cl. V	420 1/80 DA 420 1/80 D 420 1/80 DB 420 1/80 D 420 1/82 4G 420 1/82 4 420 2/82 3B	4-0455 4-0590 4-0590 4-0155 4-2632 4-0154 4-3432		Carnille Byers (Mainthin) Dans Gerver Sorta B. Whenry (Detail to GD40) Sendra M. Sech Richtess Team Linds Dinges, Lead Gloria Betts	4201604 42016185 4201602 42016040 42016045 42016046	4-0772 4-2543 4-4523 4-1025 4-0047 4-0171
			Vaccard, CF, Eng. For Shattle Terry J, Harron, Tach, Aust. Dovid J, Spacek, Tach, Aust. Shatly N, Weethers, Eosc. Aust. Helen L, Guart.	420 970 DG 420 970 1C 420 970 1A 420 9415	4-7402 4-2036 4-0060 4-5034		Frank Withers Bernie A. Jacks Elizabeth A. Lyons	4201645 4201616 4201619	4-3530 4-7545 4-1306

QD10/Launch Systems Assurance Department

4201642A 4-3400 Steve M. Teurney, Manage Alan L. Clark, Dep. Manager Engand M. Safle, Tech. Aust 4-6967 4-5278 4201/2288 4201/242 4-0527 Feenin A. Lohir, MSA Launch Vehicle Integration Team 4201/238A 4-1953 4-3217 Marcie M. Kernedy 4203/6133 4-203 Rose Lindsey 4201/1085 Breeds Lindey-Anderson 4201/236 4-7400 MAC 8-504-252-2540 Michael R. Whitey Doper Stage Joel M. Arcierson, TJ. 42015340 5,420.5 4201/236 Sleven K. Brosssand 4201/238 4-2343 Michael Glundai Upper Stage Engine

James G. Parish 4203/5431 Robert S. Lide W. Plm FIXEN 8-818-586-9761 First State Linder L. Mette, Tech. Aust.

42021221

Phillip W. Bos well, Lead

Sonia D. Bernier 4201/300 4-527.9 Chris T. Reinecke, SRR MAF 8-504-257-2638 MAE 8-504-257-0880 Timothy L. White

QD20/Shuttle Assurance Department

4-0052 4-6585 Tours T. Vu. Dec. Marriage 4200/2224 Sandra Houston (Mainthia Clerk) 4200/223 4-4002

Integration Team

Patricia M. Daty 4201/334 44130 4200/2224 Josephier Hauskins (Tierri 4-8686 Thomas 5. Reed 4202/2194 4-7422 Foster E. Anthony MESOT 8-301-802-4060 Beadley J. Carlson (Terrs)

External Tank Team J. Chill Claryciols, TL 4202/409 4.7744 Lian H. Phelps John B. Rector (Terrs) 4200/425 4.0004 4202/425 4-6735 Steve Whitfield 4202/425 Jim T. Howkins 8-504-257-1711 MAR A-504-257-1208 James D. Moore

SSNE Team

Rosslyn M. Patrick, [Day-to-Day] 4202/011 4-5373 F. Keegan Jackson (Term) 42009594 4,7752 James T. Lee (Tern) J. Dan Thompson (Terrs) 4202 (0125 4.7444 W. Plm 8-501-796-3575 Alex Alverado, SRR Andy Breaton, SRR Rick A. Williams, SRR. 8-815-585-0700

SRE Team

Pat L. Moore-Hartley, [Day-to-Day] 4200/534 4-4255 4-9323 Deater J. Different 4200/2304 4.7353 Scott F. Finnegen (Terre) Béan S. Johnson 4201/1088 4-3518 Adv. J. Morenberg KSC A-323-AVX-7004 Robert R. Duterblors, SRR KSC 8-321-861-3236 8-321-861-1730

RSRN Team Paul A. Teeban, TL Appendix 4-1431 Tim A. Hernken (Term) 4202/306 4-4545 Doug G. Saleman 84353633435 Claudia M. Garree 5-435-863-2267 Amold 5. Baldwin Any Schilling (Detail 1 yr) , SRR 8435-863-3001

QD30/Science & Mission Systems Assurance Department

Christopher K. Cowart, Manager 420 12244 4.8004 Harry W. Denn, Tech. April 4610 5034 5-1183 Leadie R. Houston, MSA Oranies C. Delano, (RLEP) 3054202 4-1736 Solar Systems Exploration Michael J. Galasi Ralph R. Amold 4211526 4-3743 4201@26A 42016265 5-7570 Donald J. Lamon 4201624A 441325 David A. Siecums Vacant, KCS/Bostes Decetu Human Exploration Davis E. Billiam 42010258 4-1630 Los A. Filoso Michael L. Haynes Paul W. Johnson 4530 4537 4.8380 4-3790 4201022 Terry L. Jones 4-3910

QD40/SR&QA Policy and Assessment Department

Angelta D. Walker, Manager 4-1004 Irene Taylor, Dep. Manger Bill Lockfoot Wainthini 4201-0004 4.8834 Software Assurance Team Rosslynne L. Steckland, TL 4487 (5246) 4-5154 Jerome B. Colins 4457 @53A George S. Mitchell 4487 (5270) 4-8877 Rhonds G. Schtmaher 4201/111 4-3746 4457 (5255) 4-3887 Audita Tourn 4201024 4.0075 Chara D. Johnson 42010204 4.2000 C. Vic Scheuplein Kerry B. Warner Daes A. Yell 4201@30 4-2350 4201@30A 4-4000 Assessments Team Babo F. Durcan, T. 4201@04A 4-1770 Liss L. Corr. 4201@00A 4-2544 Allan Keth Layre 44801 4-3695 William E. Powell 4201608 Michael S. Purvey SRAGA Core Expertes Team Prince M. Kalis, TL 420 120 45 4-6871 4-8025 Kerneth H. Crare Charles L. Garride James H., Rogers 4201604 4-7912 Richard G. Stutte 4201636 44002 Quality Assurance Team 4-6519 John D. Sater 4201/111 4-1254 Chita C. Shaphard, TL. 4501A4 4-7419 Carroll T. Blooker 4554 (205 4.7459 Gary W. Kennedy 4501A/5 4-3861 Bobby P. Rains 4-9291 Rebeccs A. Selvago 4501840 4-5019

4705/A1115

A705/844410

4705(81108)

4-5507 4-7394

4-2253

Shidou R. Blair, TL

Dations D. Hill

Linda G. Lang

David A. Guy 4201093 4-8090 42010104 4-0974 Blooms J. Hotton 4201003 4.0060 4-2425 Annette Lovedos Beverty T. Peterson 48746203 4,7374

QD50/Industrial Safety

Department

4201/117A 4201/117

42010175

42010132

4003 A 175

4201/112

42010134

42010133

4201/100A

42010904

4.8808

5-1178

4.3342

4.4874

4-0465

4-2353

Educid F. Kleenling, Manager Jenny P. Holmes, MSA

Safety Engineering Team.

Alvin J. Ekbon

William H. Evens

Kristia A. Essach

Sonya L. Hutchinger

Abert L. Pulley (Detail) Byon J. Stranors

Terry M. Christopher

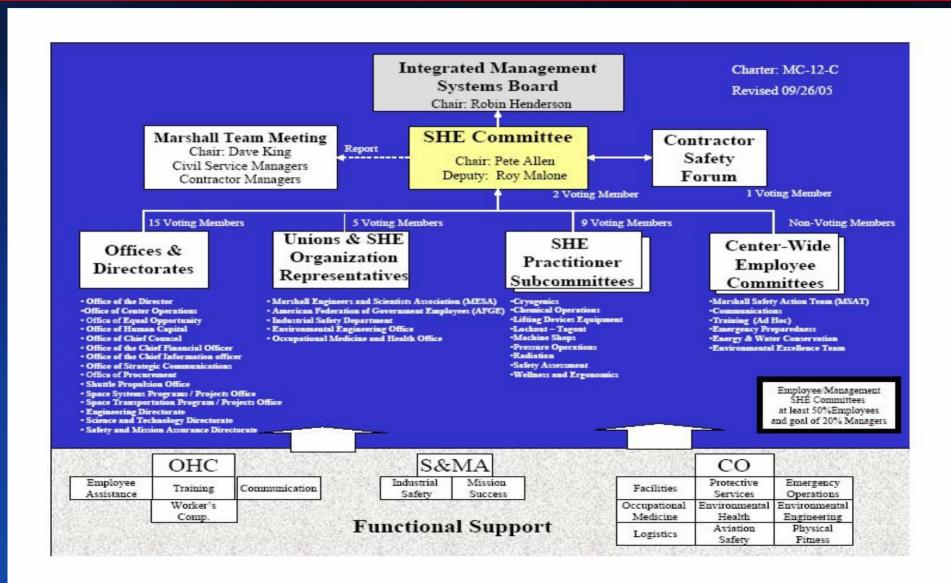
Safety Specialists Team.

January 2006

SRR - Senior Resident Representative GL = Group Lead TL = Team Lead On-Board: 141 1/10/2006 3:46 PM



SHE Organization





Things We Are Doing



QD50 Products and Services

- Assure a Safe Working Environment through compliance with OSHA, NASA, and Industry Safety Requirements
- Facility and Test Hardware Hazard Analysis
- Hazardous Operations Surveillance
- Mishap Investigation and Data Analysis (Including IRIS)
- Center-Wide Policy/Procedures Inputs & Reviews
- Safety Compliance Audits
- Safety Training and Awareness
- Drawing and Procedure Reviews
- Technical Consultation
- Construction Inspection and Monitoring
- Review of Contractor Safety and Health Plans
- Support for Source Evaluation Boards
- Program Safety Reviews (ORI's, SRR, PDR, CRD, FRR, SRT's, TRR's and Transportation Readiness Reviews)
- Explosive Siting Problems
- Supporting Critical and Program Critical Hardware Lifts
- Safety Certifications
- Data Base Development/Management, such as:
 - Inventory of Hazardous Operations (IHOPS)
 - SHE Findings Tracking System (SHEtrack)
 - Safety Concern Reporting System (SCRS)
 - Supervisor Safety Web Page (SSWP)



Safety Database Administration and Management

Special or Significant Activities

- MSFC "SHE Training Assessment" Tailored Questionnaire, On-line course description, new course development
- Upgrades to SSWP integrate with existing databases, Improve Metrics Capture
- RiskSafe 7 Contractor Training and IT Support
- SHE Reporting Streamlined

Day-to-Day Activities

- Safety Concern Reporting System (SCRS)
- SHE Inspection Findings Tracking System (SHEtrak)
- Supervisor Safety Web Page (SSWP)
- Inventory of Hazardous Operations (IHOPS)
- Certification Tracking System (Certrak)
- Support Contractor Database
- Incident Reporting Information System (IRIS)
- SHE Committee CAITS
- Employee Question Answering System (Dr. Know)

Question	Yes	No
Is the employee a new hire to MSFC (permanent or temporary, civil service or contractor), or working through an academic, internship, or joint agreement – effective within the past 12 months?	Yes	llo O
Does the employee work within the physical boundaries of the Marshall Space Flight Center or at one of the MSFC off-site locations such as NSSTC or Intergraph?	Yes	llo O
Does the employee have supervisory or managerial responsibility for MSFC workers? Managers and supervisors are required to audit (attend without completing examination or certification activities) all training courses required for personnel they supervise.	Yes	llo O
Will the employee be required to integrate human factors/ergonomics into system design and development?	Yes	llo ©
Does the employee procure materials in any of the following product categories: paper, non-paper office; construction, landscaping; park and recreation; transportation, and/or vehicular?	Yes O	IIo ©



Online SHE Training Classes

- On-line Class Library has Over 220 SHE Related Classes On-Line
- New SHE Classes have been developed and added to the SOLAR Library
 - Safety, Health and Environmental
 - Power Point Charts with Test
 - Records kept of completion
- Classes are Available for All Team Members
 - Civil Service
 - Contractors



Supervisor Safety Web Page

- Quick, easy web-based recordkeeping for safety meetings and walk- throughs (Civil Service and Contractors)
- Instant graphic metrics by organization with drill down capability to sub-organizations
- Supporting information (i.e.
 Presentation charts, inspection checklist, personnel listings, etc.)
- New Built-in Finding and Action tracking system with automatic work order generation or e-mail notification, improved attendance tracking, SHEcaits



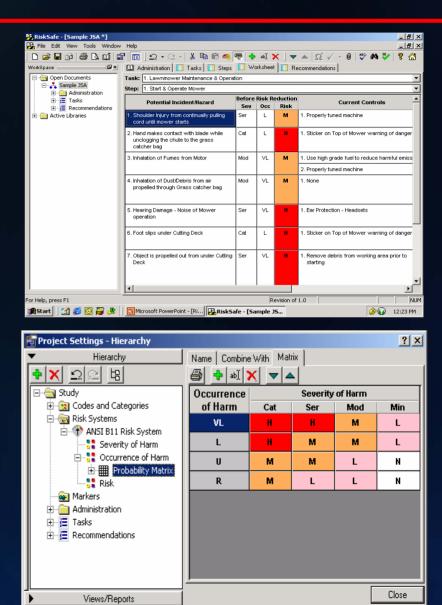




New Hazard Assessment Software

RiskSafe 7 (www.dyadem.com)

- Improve quality and consistency of the hazard identification and control process for both Industrial and Flight Safety
- Improve maintenance and recordkeeping of "live" hazard analysis documents
- Provide a common place to build a vast knowledge base of risk experience for future use
- Improve efficiency in performing labor intensive hazard assessments
- New Later version, Contractor and IT support

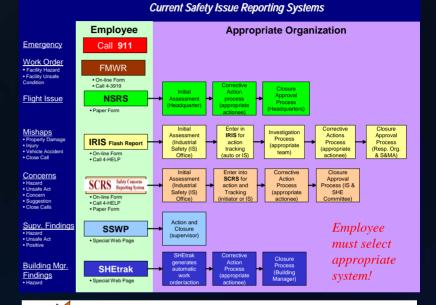




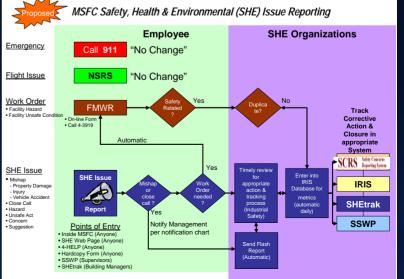
SHE Issue Reporting

- Previous process includes numerous reporting systems
- Caused customer confusion
- Current process is simpler
- One reporting process, we select appropriate tracking system
- New input form expands as needed for type issue being reported

Previous



Current

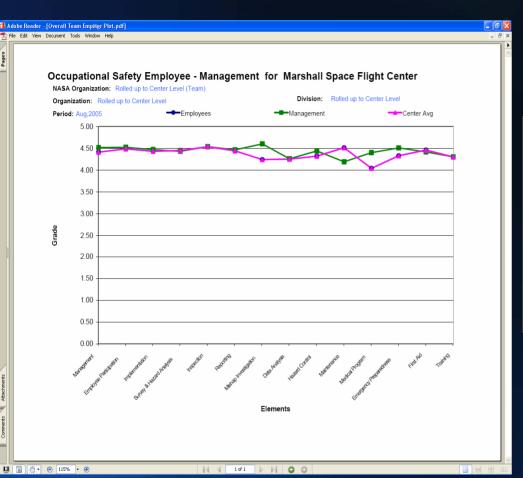


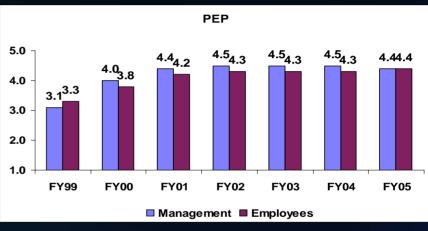


The Stats



PEP Survey Results – MSFC Team*

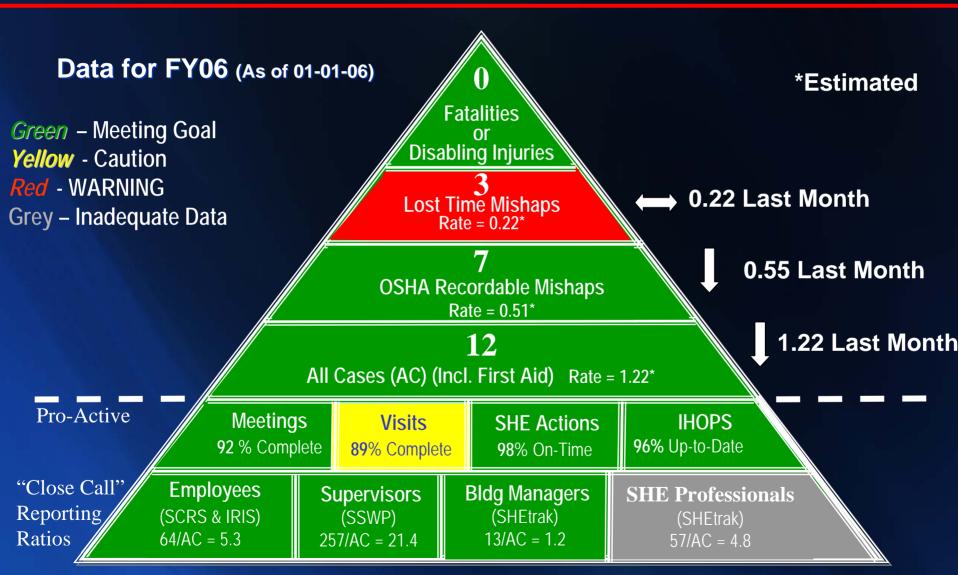




* Contractors and Civil Service organizations provided specific reports.



MSFC Team Metric - Personnel Safety





Team Lost Time Rates FY96 - FY06

(As of 01-01-06)



MSFC Safety Bulletin

Hazardous Material Trailer Truck Incident

What Happened Before Emergency Personnel Arrived?

- A fully loaded Liquid Nitrogen truck overturned at Dodd and Martin due to excessive speed.
- Several employees rushed to site.
- Vehicles continued driving by.
- Employees helped free driver from truck cab.

What Could Have Happened?

- Possible asphyxiation if truck had developed sudden catastrophic leak.
- Possible explosion, fire or toxic cloud if truck was loaded with some other hazardous chemical.
- Possible worsened injuries to driver.

What Should Have Happened?

- Assure 911 is called immediately.
- When deciding if you should take action, consider that MSFC emergency response times are normally less than 4 minutes. In most on-site cases, waiting for the professionals will be the best bet.
- Don't place yourself in danger. Assess safety hazards before getting too close to an accident site, especially when potentially hazardous materials may be present. Look for hazardous material placards and signage on damaged vehicle from a safe distance.
- Assess danger to injured personnel before attempting to move them. Only move them if you feel they are in immediate danger or as needed to relieve pain.





The End